

Substitute Form PTO-1449  
(Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.  
00614-078003

Application No.

**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
John R. Saxelby, Jr. et al.

Filing Date

Group Art Unit



**U.S. Patent Documents**

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
JRM	AA	4,336,009	06/22/1982	Wolf			
	AB	3,408,438	10/29/1968	Staunton			
	AC	2,724,864	11/29/1955	Krotz			
	AD	2,937,409	05/24/1960	Cole			
	AE	3,354,529	11/28/1967	James			
	AF	3,238,287	03/01/1966	Chapman			
	AG	3,539,675	11/10/1970	Hugill			
	AH	4,029,388	06/14/1977	Knoll			
	AI	2,669,753	02/23/1954	Hormann			
	AJ	5,028,987	07/02/1991	Neugebauer et al.			
	AK	4,688,152	08/18/1987	Chia			
	AL	4,868,349	09/19/1989	Chia			
	AM	4,528,749	07/16/1985	Heft			
	AN	4,823,234	04/18/1989	Konishi et al.			
	AO	5,395,226	03/07/1995	Sakai et al.			
	AP	4,861,251	08/29/1989	Moitzger			
	AQ	4,881,884	11/21/1989	De'Ath			
	AR	5,334,857	08/02/1994	Mennitt et al.			
	AS	5,365,403	11/15/1994	Vinciarelli et al.			
	AT	5,019,946	05/28/1991	Eichelberger et al.			
AU	4,769,525	09/06/1988	Leatham				
AV	4,953,005	08/28/1990	Carlson et al.				
AW	4,918,811	04/24/1990	Eichelberger et al.				
AX	4,783,695	11/08/1988	Eichelberger et al.				
AY	4,750,089	06/07/1988	Derryberry et al.				
AZ	4,724,283	02/09/1988	Shimada et al.				
AAA	4,551,747	11/05/1985	Gilbert et al.				

Examiner Signature

Jeremy Norris

Date Considered

3-10-03

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<i>Jon</i>	ABB	4,551,746	11/05/1985	Gilbert et al.			
	ACC	3,621,338	11/16/1971	Rogers et al.			
	ADD	3,683,241	08/08/1972	Duncan			
	AEE	4,400,762	08/23/1983	Bartley et al.			
	AFF	3,737,729	06/05/1973	Carney			
	AGG	4,879,630	11/07/1989	Boucard et al.			
	AHH	4,899,257	02/06/1990	Yamamoto			
	AII	4,554,613	11/19/1985	Kaufman			
	AJJ	4,724,514	02/09/1988	Kaufman			
	AKK	4,691,265	09/01/1987	Calver et al.			
	ALL	3,769,702	11/06/1973	Scarborough			
	AMM	4,750,092	06/07/1988	Werther			
	ANN	4,736,520	04/12/1988	Morris			
	AOO	5,206,986	05/04/1993	Arai et al.			
	APP	5,375,322	12/27/1994	Leeb			
	AQQ	4,933,042	06/12/1990	Eichelberger et al.			
	ARR	5,331,203	07/19/1994	Wojnarowski et al.			
	ASS	4,783,697	11/08/1988	Benenati et al.			
	ATT	4,740,414	04/26/1988	Shaheen			
	AUU	4,218,724	08/19/1980	Kaufman			
	AVV	5,326,243	07/05/1994	Fierkens			
	AWW	5,344,600	09/06/1994	McShane et al.			
	AXX	5,356,283	10/18/1994	Hamada et al.			
	AYY	5,626,887	05/06/1997	Chou et al.			
	AZZ	4,615,857	10/07/1986	Baird			
	AAAA	5,637,273	06/10/1997	Goo			

**Foreign Patent Documents or Published Foreign Patent Applications**

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
401	ABBB	55-118640	09/11/1980	Japan w/Engl. Abst.	264	272.17		X
	ACCC	4-23442	01/27/1992	Japan w/Engl. Abst.	29	856		X
	ADDD	60-76130	04/30/1985	Japan w/Engl. Abst.	437	211		X
	AEEE	62-32622	02/12/1987	Japan w/Engl. Abst.	437	207		X
	AFFF	53-124075	10/30/1978	Japan w/Engl. Abst.	264	272.17		X
	AGGG	63-172433	07/16/1988	Japan w/Engl. Abst.	264	272.17		X
	AHHH	62-193131	08/25/1987	Japan w/Engl. Abst.	149	95		X
	AIHH	61-193460	08/27/1986	Japan w/Engl. Abst.	437	219		X
	AJJJ	1-161892	06/26/1989	Japan	H05K	3/38		X
	AKKK	4-346260	12/02/1992	Japan	H01L	25/18		X
	ALLL	4-83367	03/17/1992	Japan	C04B	37/02		X
	AMMM	6-48851	02/22/1994	Japan	H05K	3/38		X
	ANNN	6-90083	03/29/1994	Japan	H05K	3/38		X
	AOOO	61-156791	07/16/1986	Japan	H05K	3/20		X
	APPP	61-177762	08/09/1986	Japan	H01L	23/48		X
	AQQQ	63-119242	05/23/1988	Japan	H01L	21/52		X
	ARRR	0 577 484 A1	01/05/1994	EPO	C04B	37/02		X
	ASSS	92 17 155.9	02/18/1993	Germany	H05K	1/14		X
	ATTT	91 00 467.5	05/21/1992	Germany	H05K	7/14		X
	AUUU	61-292926	12/23/1986	Japan	264	272.17		X
	AVVV	63-7638	01/13/1988	Japan	264	272.17		X
	AWWW	5-315385	11/26/1993	Japan	264	272.17		X
	AXXX	63-28042	02/05/1988	Japan	264	272.17		X
	AYYY	60-30144	02/15/1985	Japan	425	117		X
	AZZZ	61-272940	12/03/1986	Japan	425	117		X

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
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Examiner Signature

Jeremy Morris

Date Considered

3-10-03

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	Applicant <b>John R. Saxelby, Jr. et al.</b>	
	Filing Date	Group Art Unit

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>Jon</i>	AAAAA	Electronics Products, "Ball grid array package challenges quad flatpack", p 19, April 1993.
	BBBBB	Finnemore et al., Application Serial No. 08/157,936.
	CCCCC	Vinciarelli et al., Application Serial No. 08/337,269.
	DDDDD	

Examiner Signature <i>Jeremy Norris</i>	Date Considered <i>3-10-03</i>
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